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PROVINCE OF ALBERTA

CANADA

INDUSTRIAL LOCATION FACTORS

CITIES OF ALBERTA

1972

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Alberta
DEPARTMENT OF INDUSTRY AND COMMERCE
Industrial Development Branch

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FOREWORD

"Industrial Location Factors" is designed to provide industry with reference data for each of Alberta's ten cities and surrounding regions.

While most of the statistical data concerns cities only, the natural resources of the surrounding areas are indicated, and the local advantages of neighbouring towns and villages may be inferred.

The co-operation of the cities' Industrial Development Officers is gratefully acknowledged.

For further information on any of Alberta's cities or surrounding areas the reader may contact the Industrial Development Department at City Hall at any of the cities; or the

Industrial Development Branch,
Department of Industry & Commerce,
Government of the Province of Alberta,
1820 Centennial Building,
Edmonton, Alberta.

I LOCATION OF PRODUCTION MATERIALS

- (1) Minerals and their by-products:
 - (a) Metallic:
Iron Ore (near Burmis, 150 miles S. W. ,
 - (b) Non-metallic:
Coal, petroleum, natural gas, sulphur, limestone, barytes, sand
- (2) Non-minerals and by-products:
 - (a) Foods:
Meat, dairy products, poultry products, coarse grains, wheat
 - (b) Forest products:
Finished lumber, poles and ties
 - (c) Hides, brush bristles, straw
- (3) Partly processed or manufactured products:

Gross Value Manufacturing - 1971 (Est.)
\$617,520,000
Foods and Beverages
Rubber Products
Leather Products
Textile Products (except clothing)
Clothing (textile and fur)
Wood Products
Furniture and Fixture Industries
Paper Products
Printing, Publishing and Allied Products
Iron and Steel Products
Farm Machinery
Machinery Industry
Non-Ferrous Metal Products
Transportation Equipment
Electrical Apparatus
Non-metallic Mineral Products
Products of Petroleum and Coal
Chemical Products

II POPULATION

January, 1972: 412,777
Population within 50 mile radius, 1972 Est: 485,000

III SITES

- (1) Area and cost of land available for industrial expansion as of 1972:

EAST HIGHFIELD INDUSTRIAL PARK:
3 acres remaining. Utilities, trackage.
Zoned light industrial, special development.
Surrounding area subject to zoning and performance standards.

FOOTHILLS INDUSTRIAL PARK: PHASE I
15 acres @ \$11,500 - \$13,500 per acre.
Utilities, C. P. and C. N. trackage. Zoned heavy industrial.

McCALL INDUSTRIAL: PHASE II STAGE I
Zoned direct control (M2 & M2 S. D. A.)
10 acres remaining in Stage I
\$20,000 - \$22,000 per acre, fully serviced.

MAYLAND INDUSTRIAL PARK:

20 acres remaining. Light industrial.
Special development. Fully serviced, including trackage. Private development.
\$25,000 - \$35,000 per acre.

FOOTHILLS INDUSTRIAL: PHASE II

47 acres. Zoned for heavy industry
\$15,000 - \$16,500 per acre, fully serviced. C. N. & C. P. rail available.

C. P. R. OGDEN SHOPS AREA:

122 acres zoned heavy industrial. Railway leases serviced sites with trackage.

- (2) Soil structure and topographical features:
6" - 12" black soil
2' - 3' heavy sub-soil with admixture of sand and gravel. Gravel base. Bearing qualities good. Sub-surface drainage good. Water table not adversely high.

IV INDUSTRIAL FUEL

- (1) Types of fuel available:

Natural gas, electricity, coal, propane, diesel fuel.

- (2) Cost of fuel to industry:

Natural Gas:

General Rate - No. 1

Minimum monthly charge \$3.50 includes two Mcf. All additional Mcf per month 38¢ per Mcf.

Optional Rate - No. 2

For annual consumptions in excess of 13,330 Mcf. Minimum monthly charge \$125.00, plus 27¢ per Mcf per month.

Optional Rate - No. 3

(a) General Service - for annual consumptions in excess of 10,000 Mcf of which 40% is consumed in the six summer months May-October inclusive. Fixed Charge \$20.00 per month plus \$1.75 per month per Mcf of maximum 12 hour demand; plus Commodity Charge - First 4,000 Mcf per month, 18¢ per Mcf. All additional Mcf per month, 17¢ per Mcf.

(b) Special Service - available to customers located adjacent to and served directly from the Company's main transmission lines serving the Calgary-Lethbridge system whose annual consumption is in excess of 150,000 Mcf with 40% of the annual consumption being in the six summer months May to October inclusive. Fixed Charge \$2.00 per month per Mcf of maximum 12 hour demand; plus Commodity Charge - First 75,000 Mcf per month, 18¢ per Mcf. All additional Mcf per month, 16¢ per Mcf.

V TRANSPORTATION FACILITIES

- (1) Facilities available:

International Airport - Springbank Airport - Scheduled service: Air Canada, CPA, PWA, Western Airlines, Hughes Airwest, Mel Air Service, Lethbridge Air Service;

Charter air and helicopter rentals.

Railways: C N R, C P R

Bus and truck service.

Highways - paved connections on Trans-Canada Highway

VI MARKET AREAS

Trading area covers all Alberta from Red Deer south; part of southern Saskatchewan; and south central British Columbia.

1972 population served approximately (100 mile radius): 868,200 est.

VII DISTRIBUTION FACILITIES

Adequate storage and warehouse space; truck terminal facilities; railway terminal facilities; CPR transcontinental rail line; Trans-Canada Highway; Highway No. 2 south to International border and north to Alaska Highway.

VIII ELECTRIC POWER

(1) Source of Power:

All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.

Calgary Power Ltd. from 12 existing and one developing hydroelectric plants and one steam plant. Supplied at any voltage required by consumer. City owned distribution system.

(2) Cost:

Residential Combination Rate (City)

First 25 KWH - 5¢ per KWH

Next 150 KWH - 1 3/4¢ per KWH

All additional KWH - 1/1¢ per KWH

Minimum charge per month - \$1.77

Non-Residential Electricity RatesGeneral Service Energy Rate:

Applicable to metered services where energy consumption is less than 10,000 KWH per month.

First 200 KWH per month @ 5¢ per KWH

Next 800 KWH per month @ 2.5¢ per KWH

Next 4,000 KWH per month @ 2.0¢ per KWH

All additional KWH per month @ 1.9¢ per KWH

Minimum Charge per month - the greater of \$2.50 per service or \$1.50 /KVA of measured or estimated load.

General Service Demand-Energy Rate:

Applicable to demand-energy metered services where energy consumption is greater than 10,000 KWH per month.

First 5,000 KWH per month @ 2.2¢ per KWH

Next 100 KWH /KVA /month @ 1.9¢ per KWH

Next 100 KWH /KVA /month @ 0.9¢ per KWH

Next 95,000 KWH per month @ 0.65¢ per KWH

All additional KWH per month @ 0.49¢ per KWH

Minimum Charge - the greater of \$1.50 per month /KVA of billing demand or \$110.00 per month, except as otherwise provided for.

Large Industrial Rate

(High load factor, over 2300 KVA)

Rates provided upon request.

IX WATER SUPPLY

(1) Source and Quality Available:

City supply from Elbow River. Additional industrial supply from Bow River and wells for individual supply.

Bow River Stream Flow: Average for period of record (1910-1965) - 3260 CFS

There is a large undiminishing water bearing stratum approximately 50 feet below the surface.

(2) Quality of Water Supply:

Water Analysis in parts per million as at June 1972:

Hardness	253.0
Sulphates	73.8
Chlorides	2.5
Alkalinity	155.0
Nature of Alkalinity	Bicarbonate of Lime and Magnesium
Nitrite Nitrogen	nil
Nitrate Nitrogen	.13
Iron	.03
Fluoride	.28

(3) Cost of Water: (city service)

First	5,000 gals.	- 68¢ per 1,000 gals.
Next	5,000 "	- 62¢ " " "
Next	20,000 "	- 55¢ " " "
Next	30,000 "	- 45¢ " " "
Next	90,000 "	- 31¢ " " "
Next	350,000 "	- 28¢ " " "
Over	500,000 "	- 23¢ " " "

X LOCAL LAWS AND REGULATIONS - of significance to prospective industry

Alberta Labour Act
Provincial Business Licensing
City Business Licensing
City Permit required for all construction (also Planning Department Certificate of Compliance)
Zoning Bylaw
Building Code Bylaws
Waste Disposal Regulations
District Planning Commission

XI CITY TAX STRUCTURE

Calgary follows the Provincial Assessment Manual for Alberta; which uses as its basis: 67% of fair market value at 1964.

(1) Land is taxed at 100% of the assessed value.

- (2) The basis of assessment for buildings and improvements according to the manual is 75% of 1957 replacement costs, or approximately 67% of the present day 1964 replacement costs. As in the past, for tax purposes 60% of this figure is used.

1972 Mill Rate: 68.6.

Note: 64.5 mills due June 30, 1972.
Additional 4.1 mills, if required, due December 1, 1972.

July: Mean Daily Maximum	74.8
Mean Daily Minimum	49.2

<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	11.59
Average annual snowfall	58.50
Average annual total precipitation	17.44

Altitude is 3,439 feet

Winter conditions modified by "Chinook" winds which frequently raise temperatures by 30-40 degrees in a few hours.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
January: Mean daily maximum	24.3
Mean daily minimum	4.0

EDMONTON

I LOCATION OF PRODUCTION MATERIALS

II POPULATION

- (1) Minerals and their by-products:

1971: 450,641 (proper)
490,811 (metropolitan)
Population within 50 mile radius, 1971 Est. 564,000

III SITES

- (a) Metallic:
Base metals and uranium from N. W. T. shipped through city. Nickel is refined at Fort Saskatchewan from ore concentrates transported from Manitoba. Metals in nickel refinery slag.
- (b) Non-Metallic:
Coal, petroleum, natural gas, sulphur, limestone, sand, gravel, clay, shale, marl, bentonite.

- (1) Area and cost of land available for industrial expansion as of December 1968:

- (2) Non-minerals and by-products:

BONAVENTURE - N. W.
5 acres, utilities, trackage, presently zoned industrial reserve, \$7,500 per acre.
SHERWOOD INDUSTRIAL ESTATES - S. E.
Utilities, zoned light to medium industry, trackage, \$16,000 - \$25,000 per acre.

- (a) Foods:
Meats, dairy products, poultry products, wheat, coarse grains, fish, vegetables, honey.
- (b) Forest products:
Finished lumber, plywood, wood pulp, poles and ties.
- (c) Fibres, furs, hides:
Hides, furs, synthetic yarns, glass fibre, straw.

DOMINION - N. W.
10 acres, utilities, trackage, zoned light and medium industrial, \$20,000-\$30,000 per acre.
HUFF BREMNER ESTATE:

- (3) Partly processed or manufactured products:

10 acres, utilities, trackage, zoned medium industrial, \$6,000-\$10,000 per acre.

BREMNER ESTATE - N. W.
5 acres, trackage, zoned medium and heavy industrial, \$20,000 - \$35,000 per acre.

TOWN OF FORT SASKATCHEWAN - N. E.
Utilities, zoned light to heavy industrial, trackage, \$3,000 per acre.

HARWIN PARK ESTATE - N. W.
80 acres, presently zoned industrial reserve, \$6,000 - \$8,000 per acre.

ALBERTA PARK - N. W.
250 acres, trackage, zoned heavy and reserved industrial, \$5,000 - \$7,000 per acre.

TOWN OF ST. ALBERT - N. W.
Utilities, zoned light to medium industrial, trackage \$4,500 per acre.

WEST SHEFFIELD - W.
15 acres, utilities, trackage, zoned medium industrial, \$9,000 - \$14,000 per acre.

YOUNGSTOWN INDUSTRIAL - W.
40 acres, utilities, zoned medium industrial, \$6,000 - \$8,000 per acre.

TOWN OF SPRUCE GROVE - W.
150 acres, water, power & gas, gravel roads, trackage, \$2,500 - \$5,000 per acre.

CORONET ADDITION - S. E.
10 acres, utilities, trackage, zoned light and medium industrial, \$15,000 - \$20,000 per acre.
TOWN OF LEDUC - S.

18 acres, utilities, zoned light to medium industrial, trackage, \$7,500 - \$8,500 per acre.
150 acres unserved.

Gross Value Manufacturing - 1971 (Est.)
\$800,000,000
Foods and Beverages
Rubber Products
Leather Products
Textile Products (except clothing)
Knitting Mills
Clothing (textile and fur)
Wood Products
Furniture and Fixtures
Paper Products
Printing, Publishing and Allied Products
Primary Metals
Iron and Steel Products
Farm Machinery
Machinery Industry
Transportation Equipment
Non-Ferrous Metal Products
Electrical Apparatus
Non-metallic Mineral Products
Products of Petroleum and Coal
Chemical and Chemical Products

CORONET - S. E.

10 acres, utilities, trackage, zoned medium and heavy industrial, \$15,000 - \$25,000 per acre.

SPEEDWAY - S. E.

20 acres, utilities, trackage, zoned medium and heavy industrial, \$8,000 - \$15,000 per acre.

PAPASCHASE - S.

140 acres, utilities, trackage, presently zoned industrial reserve, \$3,000 - \$8,000 per acre.

STRATHCONA INDUSTRIAL PARK - S.

90 acres, utilities, trackage, zoned light and medium industry, approximately \$16,000 per acre to lease, and \$30,000 per acre to purchase.

(2) Soil structure and topographical features:

6" - 12" black soil

North side of North Saskatchewan River has

20' - 23' of medium firm olive clay.

South side of North Saskatchewan River has

14' - 16' of medium firm olive clay.

Clay underlain by dense glacial till of good bearing qualities.

Water table not adversely high.

IV INDUSTRIAL FUEL**(1) Types of fuel available:**

Natural gas, electricity, coal, propane, fuel Oil

(2) Cost of fuel to industry:**Natural Gas**

Rate No. 1 - General Rate:

Available to all customers.

First 20 therms or less - \$3.00 per month

All additional therms - 3.5¢ per Therm

Minimum Monthly Charge - \$3.00

When accounts are not paid on or before the due date the charge per Therm, other than the first 20 Therms, shall be increased by 0.3¢ and the gross rate so arrived at shall apply.

Rate No. 2 - Optional Rate:

Available on annual contract to all customers whose annual consumption is more than 97,000 Therms.

Fixed Charge - \$100.00 per month

Plus Commodity Charge - 2.3¢ per Therm

Minimum Monthly Charge - \$100.00

When accounts are not paid on or before the due date, the charge per Therm shall be increased by 0.2¢ and the gross rate so arrived at shall apply.

Rate No. 3 - Optional High Load Factor Rates

(a) General Service - available on annual contract to all customers whose annual consumption is more than 100,000 Therms and whose total consumption during the six meter reading periods ending in May, June, July, August, September and October, is not less than 40 % of their total consumption during the contract year.

Fixed Charge - \$20.00 per month plus 22¢ per month per Therm of maximum 12 hour demand.

Plus Commodity Charge - 1.5¢ per Therm

Minimum Monthly Charge - Fixed Charge

(b) Transmission - General Service

Available on annual contract to all customers who are located adjacent to and served directly

from the main transmission lines serving the integrated system, or from the Edmonton high pressure loop and whose annual consumption is more than 2,750,000 Therms and whose total consumption during the six meter reading periods ending in May, June, July, August, September and October, is not less than 40 % of their total consumption during the contract year.

Fixed Charge - 8¢ per month per Therm of maximum 24 hour demand.

Plus Commodity Charge - 1.5¢ per Therm

Minimum Monthly Charge - Fixed Charge

(d) Transmission - Special Service

Available on five year contract to those customers located outside the City of Edmonton and adjacent to and served directly from either the main transmission lines serving the integrated system or the Edmonton high pressure loop and whose annual natural gas requirement is more than 2,750,000 Therms and whose total consumption during the six meter reading periods ending in May, June, July, August, September and October, is not less than 40 % of their total annual consumption and who derive their total hydrocarbon fuel requirements from natural gas delivered by the Company. Same as Rate No. 3(b) except that the Commodity Charge is 0.2¢ per Therm less than that particular rate.

V TRANSPORTATION FACILITIES**(1) Facilities available:**

Edmonton International Airport; Edmonton Industrial Airport; Namao Airport; Cooking Lake Seaplane Base.
Scheduled service: Air Canada, CPA, PWA; Charter air and helicopter rentals.

Railways: C N R, C P R, N A R with extension to Pine Point. Alta. Resources Railway.

Bus and truck service.

Highways - paved connections.

VI MARKET AREAS

Trading area includes Alberta south to Red Deer; east to Lloydminster; west to Jasper; and north to include N.W. T. and northeast B. C. and Yukon. Population served approximately 1,000,000.

VII DISTRIBUTION FACILITIES

Adequate storage and warehouse space; truck terminal facilities; CNR transcontinental rail line; NAR connection to Mackenzie River water transportation system and extension to Pine Point.

VIII ELECTRIC POWER**(1) Source of Power:**

All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.

City owned gas fired steam generation.

(2) Cost:

City of Edmonton Electrical Distribution System:

General Service Rates:

(1) Customers with consumptions not over 6,200 KWH per month and with a demand not over 50 KVA will be billed on an energy basis as follows:

Up to 25 KWH -- \$2.50

Next 475 KWH @ 3.0¢ per KWH

Next 1,600 KWH @ 2.0¢ per KWH

Next 4,100 KWH @ 1.25¢ per KWH

Minimum Bill -- \$2.50 or \$2.00 per KVA of demand, whichever is the greater.

(2) Customers with consumptions over 6,200 KWH per month and/or a demand of 50 KVA or greater will be billed on a demand-energy basis as follows:

First 124 KWH per KVA of demand at \$2.00 per KVA of demand.

The balance of the KWH according to the following formula:

$\frac{5,000}{2,675 + \text{Demand}} \times 0.5¢$ per K. W. Hour

(2,675 + Demand)

or at 0.5¢ per KWH, whichever is the greater.

Minimum Billing Demand -- 50 KVA

Minimum Bill -- \$2.00/KVA of demand.

Service to be taken at 600 volts or less, single-phase, three-phase, 3 wire or three-phase 4 wire.

Demand to be taken at the highest 15 minute interval in any one month and this will be accepted as the maximum demand for the succeeding months or until a greater demand is established. The demand will be re-set not later than November 1st of each year.

The General Service Electric Power Rate will apply:

(a) To all customers requiring a Business License or Business Permit (Municipal, Provincial or Federal) or who are subject to a Business Tax, or occupying premises that are subject to Commercial Assessment.

(b) To multiple dwellings where energy is metered on one meter and the conditions outlined in Clause (A) of the Domestic Electric Power Rate Schedule do not apply.

Primary Service Rates:

This rate to apply to customers supplying all transformers, switching equipment, etc.

Service to be taken at 2,400, 4,160 or 13,800 volts, balanced three-phase and having a measured maximum demand of not less than 75 KVA.

Demand to be taken at the highest 15 minute interval in any one month and this will be accepted as the maximum demand for the succeeding months or until a greater demand is established. The demand will be re-set not later than November 1st of each year.

A twelve month minimum contract is required for service at the primary power rate.

Monthly consumption to be measured on a demand-energy basis and billed as follows: First 140 KWH per KVA of demand @ \$2.00 per KVA of Demand.

The balance of the KWH consumed according to the following formula:

$\frac{5,000}{2,675 + \text{KVA Demand}} \times 0.5¢ \times \text{Balance KWhrs.}$

or at 0.5¢ per KWH, whichever is the greater. Minimum Bill \$2.00 per KVA of Demand.

IX WATER SUPPLY

(1) Source and Quantity Available:

Water supply from North Saskatchewan River.

Stream Flow:

Minimum flow - 2,000 CFS

Average flow - 5,000 to 15,000 CFS.

Temperature of treated water:

Winter 55°

Summer 70°

Treatment Capacity -- 90 M.G.D.

Reservoir Capacity -- 55 M.G.

(2) Quality of water supply:

North Saskatchewan River water:

Total hardness (untreated) - Summer 145 ppm.

Winter 225 ppm.

Treatment reduces total hardness to approximately 80 ppm. year round.

Raw water, clear in winter, turbid in summer.

Water Analysis in parts per million as at June, 1972:

pH	9.5
Alkalinity	70.0
Total Hardness	180.0
Calcium	50.0
Chloride	4.0
Sulphates	65.0
Nitrite Nitrogen	.05
Nitrate Nitrogen	.05
Total Solids	210.0
Magnesium	13.0
Fluoride	1.0

(3) Cost of water: (city service)

Consumption per Month	Rate/100 cu. ft.
First 800 cu.ft.	40.7 ¢
Next 3,200 cu.ft.	31.1 ¢
Next 3,500 cu.ft.	24.4 ¢
Next 17,500 cu.ft.	22.9 ¢
Next 475,000 cu.ft.	18.0 ¢
Next 1 million cu.ft.	16.5 ¢
Over 1.5 million cu.ft.	12.7 ¢

The min. mthly. chg. for consumption from 0 to 400 cu. ft. will be \$1.63. Consumers outside city limited subject to 35% surcharge. Sewer Tariff for Metered Services - 15¢ per 100 cu. ft. The min. mthly. sewer charge for consumptions from 0 to 400 cu. ft. will be 60¢.

X LOCAL LAWS AND REGULATIONS of significance to prospective industry

Alberta Labour Act
Provincial Business Licensing
City Business Licensing
City permit required for all construction
Zoning Bylaw
Building Code Bylaws
Waste Disposal Regulations
District Planning Commission

XI CITY TAX STRUCTURE

The fair actual value of land and buildings for appraisal purposes is approximately 75% of 1957 costs, or approximately 35% of current costs.
Mill Rate 1972: 78.83.

- (1) Machinery used in manufacturing or in processing is not taxable.
- (2) Business tax is based on assessed rental value of the premises occupied. The rates vary from 6% to 20%, depending on the classification. The rate for a manufacturing type facility is 10%.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
January:	
Mean Daily Maximum	15.2
Mean Daily Minimum	- 2.0
July:	
Mean Daily Maximum	74.4
Mean Daily Minimum	51.7

<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	13.26
Average annual snowfall	53.8
Average annual total precipitation	18.64

Altitude is 2200 feet.

LETHBRIDGE

I LOCATION OF PRODUCTION MATERIALS

- (1) Minerals and their by-products:
 - (a) Metallic:
Iron ore (near Burmis, approximately 75 miles west)
 - (b) Non-metallic:
Coal, petroleum, natural gas, sulphur, limestone, barytes, sand, gravel, bentonite, mica schist, talc, volcanic ash, pyrophyllite.
- (2) Non-minerals and by-products:
 - (a) Foods:
Meats, dairy products, poultry products, wheat, coarse grains, irrigated vegetable crops, honey, sugar beets, oil-bearing seed crops.
 - (b) Forest products:
Finished lumber, plywood.
 - (c) Fibres, furs, hides:
Hides, wool, straw.
- (3) Partly processed or manufactured products:
Gross Value Manufacturing - 1971:
\$165,000,000
Industrial camps
Foods and Beverages
Textile Products (except clothing)
Clothing (textile and fur)
Wood Products
Printing, Publishing & Allied Products
Iron and Steel Products
Agricultural Implements
Transportation Equipment
Communication Equipment
Non-metallic Mineral Products
Clay Products
Products of Coal
Plastic Products
Chemical Products
Mobile homes

III SITES

- (1) Area and cost of land available for industrial expansion as of 1972:

200 acres, Fair market value.
- (2) Soil structure and topographical features:

Brown and black soil. Gravel sub-soil. Load bearing 4,000 lbs. per sq. ft.

IV INDUSTRIAL FUEL:

- (1) Types of fuel available:

Natural gas, electricity, coal, propane, diesel fuel.
- (2) Cost of fuel to industry:

Natural Gas:
 - (a) General Rate

This rate is available to all customers .

First 2 MCF or less - \$3.50 per month
All Additional MCF - .38¢ per MCF
Minimum Monthly Charge - \$3.50.
 - (b) Optional Rate

Available to all customers whose annual consumption is more than 13,350 MCF.

Fixed Charge - \$125.00 per month
Plus Commodity Charge - .27¢ per MCF
Minimum Monthly Charge - \$125.00.
- (2) High Load Factor Rates
 - (a) General Service

Available to customers whose annual consumption is more than 10,000 Mcf, and whose total consumption during the six meter reading periods ending in May, June, July, August, September and October, is not less than 40% of their total consumption for the year.

II POPULATION

1972: 42,000
Population within a 50 mile radius, 1972 est: 120,000.

Fixed Charge - \$20 per month plus
\$1.75 per month per Mcf of maximum 12-hour demand.

Plus Commodity Charge - First 4,000 Mcf per mon. .18¢ per Mcf. All additional Mcf per month .17¢ per Mcf.

Minimum Monthly Charge - Fixed Charge

(b) Special Service

Available to all customers located adjacent to and served directly from the Company's main transmission lines serving Calgary-Lethbridge System and whose annual consumption is more than 150,000 Mcf and whose total consumption during the six meter reading periods ending in May, June, July, August, September and October is not less than 40% of their total consumption for the year.

Plus Commodity Charge - First 75,000 Mcf per month - .18¢ per mcf.

All additional Mcf per mon. - 16¢ per Mcf.

Minimum Mon. Charge - Fixed Charge.

Propane Gas: (retail price)

Bulk per gallon - 17¢

100 lb. cylinder - \$6.50

A charge is made for installation of equipment.

Propane Gas: (Industrial price)

0 - 5,000 gallons -- 17¢

5,000 - 10,000 gallons -- 1¢ off

10,000 - 20,000 gallons -- 1/2¢ off

Over 20,000 gallons computed locally.

Coal:

Sub-bituminous "A" coal with a calorific value of 10,200 B.T.U. per pound. F.O.B. prices per ton:

Lump - \$9.50 Stoker - \$5.25

Egg - \$8.00 Mine Run - \$4.00

Nut - \$5.00 Slack - \$2.50

V TRANSPORTATION FACILITIES

- (1) Facilities available:
Commercial Airport -
Scheduled Service:
Time Airways
Railway: C P R
Bus and truck service.
Highways - paved connections.

VI MARKET AREAS:

Trading area includes Alberta south to international border; east to Saskatchewan border; north to Nanton and Vulcan; and west through Crowsnest Pass to Trail, B.C.
Population served approximately (50 mile radius): 120,000.

VII DISTRIBUTION FACILITIES

Adequate warehouse space; truck terminal facilities; CPR-Crowsnest transcontinental rail line.

VIII ELECTRIC POWER

- (1) Source of Power
All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.

City owned gas fired steam generation plant.
Supplied at any voltage.

- (2) Cost:
Electric Rates:
Commercial:
Minimum Bill \$4.00
First 200 KWH 4.0¢
Next 600 KWH 3.75¢
Next 1200 KWH 2.5¢
Balance @ 2.0¢
Domestic:
First 100 KWH Min. bill \$4.00
Next 100 KWH 3.2¢
Balance @ 1.25¢
Apartments:
First 100 KWH Min. bill \$4.00
Next 100 KWH 4.0¢
Balance @ 1.6¢
Commercial and Power special rate:
Consumer over 10,000 KWH per month on one meter - special rate on application.

IX WATER SUPPLY

- (1) Source and Quality Available:
Water supply from Oldman River
Stream Flow:
Average winter minimum - 520 CFS
Average summer maximum - 12,200 CFS
(2) Quality of water supply:
Total hardness untreated - summer, 120 ppm; winter, 200 ppm. During winter months, treatment reduces total hardness to 120 - 140 ppm. before it enters city mains.
Water analysis in parts per million as at February, 1970:
Total solids 276
Ignition loss 180
Hardness 141
Sulphates 62
Chlorides 3
Alkalinity 102
Nature of Alkalinity Bicarbonate of lime and magnesium
Nitrite Nitrogen 0.4
Nitrate Nitrogen (N) nil
Iron nil
Fluoride 0.25

- (3) Cost of Water (city service):
Bimonthly Consumption (in cu. ft.) Rate / 100 cu.ft. (non-cumulative)
From 0 to 1,600 37¢
From 1,601 to 3,600 34¢
From 3,601 to 8,000 31¢
From 8,001 to 14,000 28¢
From 14,001 to 27,200 25¢
From 27,201 to 42,000 23¢
From 42,001 to 56,000 22¢
From 56,001 to 72,000 20¢
From 72,001 to 200,000 18¢
From 200,001 to 1,000,000 16¢
From 1,000,001 to 3,000,000 14¢
From 3,000,001 and upwards 13¢

Commercial minimum bi-monthly rate based on size of meter.

Size	Rate
1/2 and 3/4 inch	\$5 - 1,360 cu.ft.
1 inch	\$6 - 1,760 cu.ft.
1 1/4 inch	\$7.50 - 2,200 cu.ft.
1 1/2 inch	\$9 - 2,640 cu.ft.
2 inch	\$10.50 - 3,080 cu.ft.
3 inch	\$13 - 4,200 cu.ft.
4 inch	\$15 - 4,840 cu.ft.
6 inch	\$24 - 7,740 cu.ft.
8 inch	\$36 - 12,860 cu.ft.
10 inch	\$52

X LOCAL LAWS AND REGULATIONS
- of significance to prospective industry:

Alberta Labour Act
Provincial Business Licensing
City Business Licensing
City permit required for all construction
Zoning Bylaw
Building Code Bylaws
Waste Disposal Regulations
District Planning Commission

XI CITY TAX STRUCTURE

- (1) Land assessed at 65% of 1969 fair value.
- (2) Improvements assessed at 45% of 75% of the 1963 Expenditure Cost.

- (3) Business: Levied on the basis of 8% of the assessed fair annual rental value of the premises of any trade, business, or profession.

1972 Mill Rate: 70.0.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
January:	
Mean Daily Maximum	26.5
Mean Daily Minimum	4.6
July:	
Mean Daily Maximum	78.7
Mean Daily Minimum	50.4

<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	10.66
Average annual snowfall	65.7
Average annual total precipitation	16.12

Altitude is 2,993 feet.

Winter conditions include "Chinook" winds which frequently raise temperatures by 30-40° in a few hours.

The Meteorological Branch of Department of Transport in Lethbridge records a long term annual average of 2,384 hours of sunshine, the highest in Canada.

MEDICINE HAT

I LOCATION OF PRODUCTION MATERIALS

- (1) Minerals and their by-products:
 - (a) Non-metallic:
Coal, natural gas, sand, gravel, rough pottery clay, ball mill pebbles.

- (2) Non-minerals and by-products:

- (a) Foods:
Meat, wheat, flax, vegetables.

- (b) Fibres, furs, hides:
Hides, wool, straw.

- (3) Partly processed or manufactured products:

Gross Value Manufacturing - 1971
estimated 64,600,000
Foods and Beverages
Rubber Products
Wood Products
Printing, Publishing and Allied Products
Iron and Steel Products
Transportation Equipment
Non-metallic Mineral Products
Clay Products
Chemical Products

II POPULATION

1971 Population: 26,518
Population within a 50 mile radius, 1971 est: 50,000

III SITES:

- (1) Area and cost of land available for industrial expansion as of 1972:

LIGHT INDUSTRIAL AREA:
50 acres at \$75.00 per effective frontage foot.

BRIER PARK SITE:
217 acres at \$3,500 per acre, utilities, trackage.

PURMAL SITE:
45 acres.

KIPLING STREET SITE:
7 acres.

- (2) Soil structure and topographical features:

6 - 10" brown soil. Sub-clay, and in some areas gravel and sand. Lime layer 15" - 20" below surface.

IV INDUSTRIAL FUEL

- (1) Types of fuel available:

Natural gas, electricity, coal, propane, fuel oil.

- (2) Cost of fuel to industry:

Natural Gas:
BTU rating per Mcf. - 966

GENERAL SERVICE RATE

Class G1.1 Residential/Class G3.1 Commercial

Available to all residential and commercial customers, private and public institutions, etc.

First 2 Mcf or less	\$ 3.00 per month.
Next 98 Mcf per month	.33 per Mcf
Next 200 Mcf per month	.25 per Mcf
Next 700 Mcf per month	.20 per Mcf
Next 2,000 Mcf per month	.18 per Mcf
All over 3,000 Mcf per month	.15 per Mcf

PLUS: a MONTHLY DEMAND CHARGE of \$2.00 per 100 Mcf. The demand charge is based on the maximum monthly volume used during the current month or for each of the next preceding months of November, December, January, and February.

MINIMUM MONTHLY CHARGE - Demand charge.

INDUSTRIAL RATE

Class G4.1

Available to combined heating and industrial process customers with a peak monthly consumption over 300 Mcf.

First 2 Mcf or less	\$ 3.00 per month.
Next 98 Mcf per month	.33 per Mcf
Next 200 Mcf per month	.25 per Mcf
Next 700 Mcf per month	.20 per Mcf
Next 2,000 Mcf per month	.18 per Mcf
All over 3,000 Mcf per month	.15 per Mcf

PLUS: a MONTHLY DEMAND CHARGE of \$1.00 per 100 Mcf for the first 1,000 Mcf used per month. .50¢ per 100 Mcf for all over 1,000 Mcf used per month. The demand charge is based on the maximum monthly volume used during the current month or for each of the next preceding months of November, December, January, and February; and is subject to a 50% discount provided the customer's annual load factor is over 70%.

City owned gas fired steam generation plant.
Interconnection with Calgary Power Ltd.

(2) Cost:

Industrial Bulk Power Electrical Rates:
(Monthly)

(1) Wholesale Primary - Metered
Industrial Power
13KV and 4KV Service--Class E4.1.

Wholesale power customers who are within reach of the Electric Utility's existing 13 KV or 4 KV distribution lines and who use the Electric Utility's standard service at 13,200 or 4,160 volts for industrial purposes and who have a demand of not less than 75 KVA. All utilization equipment is supplied by the customer. This rate is available only on a standard power contract.

First 100 KWH per KVA of monthly demand,	1¢ per KWH
Next 100 KWH per KVA of monthly demand,	.5¢ per KWH
Remaining KWH per KVA of monthly demand	.3¢ per KWH

Plus a -

MONTHLY DEMAND CHARGE

4 KV service	\$ 1.00 per KVA
13 KV service	.75¢ " "

Based on the highest measured KVA demand during the current month or for each of the next preceding months of November, December, January or February.

(2) Commercial
120/208 volt Service - Class 3.3

Demand Charge:

Based upon the highest measured KVA demand for the current month or for each of the next preceding months of November, December, January or February - \$1.00/KVA plus an Energy Charge:

First 200 KWH used per KVA of monthly demand 1 1/2¢ per KWH, remainder 1¢ per KWH

Minimum Charge:

The demand charge above but not less than \$5.00.

Services at the standard lower secondary voltages also available.

V TRANSPORTATION FACILITIES

(1) Facilities available:

Commercial Airport -
Scheduled service: Time Air Limited

Railway: C P R

Bus and truck service
Highways - paved connections on Trans-Canada Highway. Highway No. 3 and No. 41

VI MARKET AREAS

Trading area includes south to international border; east to Piapot, Saskatchewan; north to Oyen. Population served in trading area (50 mile radius), 1971 est. 90,000.

VII DISTRIBUTION FACILITIES:

Warehouse space, truck terminal facilities; CPR transcontinental rail line; Trans-Canada Highway.

VIII ELECTRIC POWER:

(1) Source of Power:

All electric power supplied is 3 phase, 60 cycle a/c.

IX WATER SUPPLY

(1) Source and Quantity available:

Domestic water supply from the South Saskatchewan River.

Cooling water from aquifer.

Stream Flow:

Average winter minimum	1,350 CFS
Average summer maximum	53,870 CFS
Average water temperature 40°, 50° in aquifer.	
Information on request.	

Filtration capacity (at power plant) -
15,000,000 GPD.

Reservoir Capacity 7,100,000 gallons.

(2) Quality of water supply:

South Saskatchewan River water:
Average total hardness (untreated) -
Summer, 118 ppm.; Winter, 145 ppm.

Typical Analysis in parts per million as at
June, 1972.

Total solids	420.0
Hardness	45.0
Sulphate	85.0
Chloride	26.0
Alkalinity	195.0
Nitrate Nitrogen	.05
Nitrite Nitrogen	.05
Iron	.1
Fluoride	nil
pH	7.9
Calcium	10.0
Magnesium	5.0

(3) Cost of water (city service):

Consumption per Mo. per 1,000 gallons	Rate per 1,000 gallons	Minimum Monthly Charge
0 to 6	.35	2.10
6 to 10	.34	2.38
10 to 25	.31	3.41
25 to 45	.29	7.83
45 to 80	.25	12.50
80 to 130	.23	20.70
130 to 175	.21	31.50
175 to 250	.19	39.90
250 to 600	.18	54.00
600 to 1000	.16	120.00
Over 1000	.15	187.50

X LOCAL LAWS AND REGULATIONS

- of significance to prospective industry:

Alberta Labour Act
Provincial Business Licensing
City Business Licensing
City permit required for all construction
Municipal Planning Commission

XI CITY TAX STRUCTURE

- (1) Land assessment represents market value; market value being 65% of 1971 values.
- (2) Improvements, except machinery and equipment, used in manufacturing and/or processing plants, are assessed at 45% of 1963 depreciated replacement value. Depreciation on these improvements is up to 1972.
- (3) Machinery and equipment used in manufacturing and/or processing plants is assessed at 22 1/2% of 1963 depreciation value. Annual depreciation is allowed on these improvements.
- (4) Machinery and equipment as described in (3) above has been exempted by bylaw and a business tax is levied in lieu thereof. Business tax is based on either 7% or 9%, depending upon the Class of business, of the gross annual rental value as established by the assessor of the premises. 1972 Mill Rate: 57.

XII CLIMATE

Temperature	Degrees F.
January:	
Mean Daily Maximum	22.4
Mean Daily Minimum	1.8
July:	
Mean Daily Maximum	83.1
Mean Daily Minimum	55.1
Precipitation	Inches
Average annual rainfall	9.42
Average annual snowfall	48.7
Average annual total precipitation	14.29

Altitude is 2185 feet.

Medicine Hat has the longest frost-free growing season of any locality in Alberta.

RED DEER

I LOCATION OF PRODUCTION MATERIALS

(1) Minerals and their by-products:

- (a) Non-metallic:
Coal, petroleum, natural gas, sulphur,
limestone, sand, gravel, clay.

(2) Non-minerals and by-products:

- (a) Foods:
Meats, dairy products, poultry products,
wheat, coarse grains, malting barley,
rye, honey
- (b) Forest products:
Finished lumber, pit props, railroad
ties.

- (c) Fibres, furs, hides:
Hides, straw.

(3) Partly processed or manufactured products:

Gross Value Manufacturing - 1970
\$69,300,000
Foods and Beverages
Textile Products (except clothing)
Wood Products
Printing, Publishing and Allied Products
Iron and Steel Products
Transportation Equipment
Electrical Apparatus
Non-metallic Mineral Products
Agricultural Implements
Non-ferrous Metal Products
Holiday Trailers and Mobile Homes

II POPULATION

Population 1972: 27,800.
Population within a 50 mile radius, est. 140,000.

III SITES:

- (1) Area and cost of land available for industrial expansion as of 1972:
GOLDENWEST INDUSTRIAL AREA:
115 acres adjoining Hwy. 2, power, gas, storm drainage. Privately owned.
NORTHHILL LIGHT INDUSTRIAL:
Utilities, gravel road. \$66.74 per front foot.
RIVERSIDE LIGHT INDUSTRIAL PARK:
50 acres fully serviced, trackage. \$74.78 per front foot. 50% down on agreement, 50% in five annual installments. Leaseholds available.
RIVERSIDE HEAVY INDUST. PARK:
187 acres, sewer, power, gas, gravel road, and trackage. City and privately owned.
SOUTH HILL LIGHT INDUSTRIAL:
1/2 mile from Hwy. 2. Levelled and up to building grade, trackage, water, gas and power. Privately owned.
RED DEER INDUSTRIAL AIRPORT:
Located 8 miles from Red Deer on all weather road. Seventeen buildings - 800 square feet to 48,000 square feet suitable for general aviation and light industry. Rental rates \$0.50 to \$2.25 per square foot. Buildings serviced with steam heat, water, sewer, electric power, telephones. 3400 ft. paved runways and ancillary taxiways D.O.T. operated control tower. Lease on buildings negotiable for periods up to 15 years. Land lease available for construction of light industrial and general aviation buildings negotiable for periods up to 20 years.
- (2) Soil structure and topographical features:
12" - 14" black soil. Sub-soil composed of sand, silty clays. Red Deer River Valley - sand, clay and gravel sub-soil. Water table not adversely high. Good bearing qualities. North of valley - sand, silt and clay sub-soil. Variable water table. Foundation qualities vary from Fair to Good.
South of valley - dense glacial till clay. Water table not adversely high. Good bearing qualities.

IV INDUSTRIAL FUEL

- (1) Types of fuel available:
Natural gas, electricity, propane, diesel fuel.
- (2) Cost of fuel to industry:
Natural gas:
(1) General Rate -
Available to all customers. First 20 Therms or less \$3.00 per month. All additional Therms 4.5¢ per Therm.
(2) Optional Rate -
Available on annual contract to all customers whose annual consumption is more than 11,900 Therms.
Fixed charge - \$20.00 per month
Plus Commodity charge - 2.7¢ per Therm
Minimum Monthly Charge - \$20.00.

(3) Optional High Load Factor Rate -
Available on annual contract to all customers whose annual consumption is more than 100,000 therms.

Fixed Charge - \$20.00 per month plus 22¢ per month per Therm of maximum 12-hour demand.
Plus Commodity Charge - 1.7¢ per Therm.
Minimum Monthly Charge - Fixed Charge.

Propane:

Bulk per gallon - 15¢.
100 lb. cylinders - \$5.50

Diesel Fuel:

Stove - 21.7¢ per gallon.
Diesel - 23.2¢ per gal.

V TRANSPORTATION FACILITIES

- (1) Facilities available:

Red Deer Industrial Airport -
Scheduled air service facilities available.
Railways: CNR, CPR with interswitching facilities.
Bus and truck service.
Highways - paved.

VI MARKET AREAS

Retail trading area includes central Alberta east to Saskatchewan border. Manufacturers' market extends north to Edmonton and south to Calgary.

Population served approximately (50 mile radius): 140,000

VII DISTRIBUTION FACILITIES

Adequate warehouse space; truck terminal facilities; CPR, CNR line to all points. Four-lane highway to Edmonton and Calgary. David Thompson Highway direct route to Banff-Jasper Highway.

VIII ELECTRIC POWER:

- (1) Source of Power:
All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnect to accommodate increased load demands and improve reliability of supply.
Calgary Power Ltd. and distributed by City.
- (2) Cost:
Commercial Rate:
Monthly - minimum demand of 50 KVA and over.

(1) Alternative A:

0 - 50 KWH	\$2.50 Min. Charge
Next 425 KWH	5.5¢/KWH
Next 1,575 KWH	3.0¢/KWH
Next 5,100 KWH	1.4¢/KWH

Bill paid within 10 days of issue subject to 10% discount.

(2) Alternative B:
For customers with consumption of 7,125 KWH or above. Will be charged for minimum of 7,125 KWH per month as follows:

First 20 hours use of KVA of demand --
 4.7¢ per KWH
 Next 20 hours use of KVA of demand --
 3.0¢ per KWH
 Balance used -- 1.3¢ per KWH
 Minimum bill for customers with a demand of
 50 KVA or over \$143.63 or \$2.00 per KVA per
 month, whichever is the greater. Bill paid
 within 10 days of issue subject to 10% discount.

(3) Alternative C:

Reduced rate for customers who supply their
 own transformers and switching equipment.
 Rates provided upon request.

(4) Alternative D:

Off-Peak Rate - Supplied upon request.

IX WATER SUPPLY

(1) Source and Quantity Available:

Water supply from Red Deer River
 Stream Flow:
 Average winter minimum -- 312 CFS.
 Average summer maximum -- 7,784 CFS.
 Average water temperature 50°F
 Groundwater potential excellent.

(2) Quality of water supply:

Red Deer River water:
 Total hardness (untreated) -
 Summer, 220 ppm.; Winter, 300 ppm.
 Treatment reduces total hardness to approxi-
 mately 100 ppm. year round.

Water Analysis in parts per million as at
 June, 1972.

Total solids	240.0
Hardness	160.0
Sulphate	60.0
Chlorides	3.0
Alkalinity	100.0
Nitrite Nitrogen	.05
Nitrate Nitrogen	.05
Iron	.1
pH	8.3
Calcium	24.0
Magnesium	24.0
Fluoride	1.0

(3) Cost of water (city Service):

Meter Size	Monthly Customer Charge	Monthly Demand Charge	Total Fixed Monthly Charge	n
5/8 "	\$0.63	\$1.40	\$2.03	-
3/4 "	0.63	2.80	3.43	
1 "	0.63	5.60	6.23	
1 1/2"	0.63	14.00	14.63	
2 "	0.63	35.00	35.63	
3 "	0.63	63.00	63.63	
4 "	0.63	126.00	126.63	
6 "	0.63	238.00	238.63	
8 "	0.63	420.00	420.63	

A 10% discount applicable to accounts paid
 within 14 days of mailing date.

X LOCAL LAWS AND REGULATIONS

-of significance to prospective industry.

Alberta Labour Act
 Provincial Business Licensing
 City Business Licensing
 City Permit required for all construction
 Zoning By-laws
 Building Code By-laws
 Waste Disposal Regulations
 District Planning Commission

XI CITY TAX STRUCTURE

- (1) Land is taxed on 100% of assessed value. Assessed values of land from \$650.00 per front foot in prime Commercial area to \$16.50 per front foot in fringe industrial areas.
- (2) Improvements: Buildings are taxed on 45% of 1963 assessed value.
- (3) Business Tax: Industrial establishments are taxed at 4% of estimated annual rental.
- (4) Commercial Tax: Commercial establishments are taxed at 7.5% of estimated annual rental values.

1972 Mill Rate: 64.5.

XII CLIMATE

<u>Temperature</u>		<u>Degrees</u>
Jan.	Mean Daily Maximum	17.8
	Mean Daily Minimum	-2.2
July	Mean Daily Maximum	74.3
	Mean Daily Minimum	50.1
<u>Precipitation</u>		<u>Inches</u>
Average Annual rainfall		16.52
Average Annual snowfall		49.2
Average annual total precipitation		21.44
<u>Altitude is 2,819 feet.</u>		

LLOYDMINSTER

I LOCATION OF PRODUCTION MATERIALS

(1) Minerals and their by-products:

- (a) Non-metallic:
 Coal, petroleum, natural gas, gravel.

(2) Non-minerals and by-products:

- (a) Foods:
 Meats, dairy products, poultry products,
 wheat, coarse grains, honey, and rape-
 seed.

- (b) Fibres, furs, hides:
 Hides, wool, straw.

(3) Partly processed or manufactured products:

Gross Value of Manufacturing - 1970:
 \$28,300,000
 Foods and Beverages
 Paper Products
 Iron and Steel Products
 Products of Petroleum and Coal
 Chemical Products
 Homes and Buildings

II POPULATION

1971 Population: 8,600 (Alberta portion: 4738)
Population within a 50 mile radius, 1966 Census:
40,000

III SITES

- (1) Area and Cost of land available for industrial expansion as of 1972:

City owned sites available on trackage.
Prices to be negotiated.
Privately owned industrial sites available west of city.
- (2) Soil structure and topographical features:

10" - 12" black soil, 15"-20" compact subsoil
Lime layer 24" - 30" below surface

IV INDUSTRIAL FUEL

- (1) Types of fuel available:

Natural gas, L. P. gas, coal, diesel fuel
- (2) Cost of fuel to industry:

Natural Gas:
(1) Rate # 1 - General Rate
Commercial and Residential
1st 20 Therms or less/mo. - \$3.00
All additional Therms 4.5¢ per Therm
Minimum Charge per mo. - \$3.00

(2) Rate # 2 - Optional Rate
Users in excess of 11,900 Therms per year.
Fixed Charge - \$20 per month plus
Commodity Charge - 2.7¢ per Therm
Minimum Monthly Charge - \$20 per month.

(3) Rate # 3
Available on annual contract to all customers whose annual consumption is more than 100,000 Therms and whose total consumption during the six meter reading periods ending May, June, July, August, September and October, is not less than 40% of their total consumption during the year.
Fixed Charge - \$20 per month plus 22¢ per month per Therm of maximum 12-hour demand plus Commodity Charge - 1.7¢ per Therm.
Minimum Monthly Charge - Fixed Charge.

V TRANSPORTATION FACILITIES

- (1) Facilities available:

Commercial Airport - Charter plane service.
Railways: CNR, CPR
Bus and truck service.
Highways - paved connections to Edmonton, Saskatoon, Calgary, and Regina.

VI MARKET AREAS

Trading area includes North 100 miles, West 40 miles, South 70 miles, East 60 miles.
Population served approximately 55,000

VII DISTRIBUTION FACILITIES

Truck terminal facilities, CNR and CPR branch lines; paved highways to Edmonton and Saskatoon, Saskatchewan.

VIII ELECTRIC POWER

- (1) Source of Power:
All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.
Alberta Power Ltd. steam generation plant at Vermilion. Alternate source of power on Saskatchewan side - Saskatchewan Power Corporation.
- (2) Cost:
Residential:
First 30 KWH used @ \$ 2.40 (minimum)
Next 20 KWH used @ 3.3¢
Next 250 KWH used @ 2.1¢
Over 300 KWH used @ 1.5¢
General Service:
First 40 KWH per mth. per KW of billing demand @ 5.2¢ per KW
Next 160 KWH per mth. per KW of billing demand @ 2.7¢ per KW
Over 200 KWH per mth. per KW of billing demand @ 1.5¢ per KW
Minimum of \$2.75 per month
Over 5 KW, 1 or 3 Phase:
Same as General Service above
\$1.15 per KW of billing demand minimum

IX WATER SUPPLY

- (1) Source and Quantity Available:

Water supply from wells drilled into a glacial aquifer located 12 miles north of the City. The water is pumped through a 10 inch main to the water treatment plant. The plant has a developable capacity of 2,100 gallons of treated water per minute, or approximately 3,000,000 gallons/day. Should extremely large quantities of water be required our water supply line is within 7 miles of the North Saskatchewan River.
- (2) Quality of water supply:

Well water is partly softened, the iron content removed, and chlorinated before entering into the City system.

Water Analysis in parts per million as at January 1970 of treated water:
Total solids 690
Nitrates nil
Fluoride 0.22
Total Alkalinity 451
Nature of Alkalinity Soda, Lime & Magnesium
Iron 0.17
Total Hardness 320
Ca Hardness 70
Mg Hardness 250
PH Number (not in ppm) 8.8

- (3) Cost of Water:

Minimum Charge for first 3,000 gallons -- \$5.70

	Monthly Consump- tion	Rate Per 1,000 Gallons	Sewer Rate Per 1,000 Gallons
	1 - 5000 gallons	\$1.26	64¢
	5001 - 30000 gallons	\$1.08	52¢
	30001- 100,000 gallons	.73	37¢
	Over 100,000 gallons	.40	20¢
X	LOCAL LAWS AND REGULATIONS		
	- of significance to prospective industry:		
	Zoning Bylaw		
	District Planning Commission		
	Alberta Labour Act		
	Provincial Business Licensing		
	City permit required for all construction		
	Building Code		
XI	CITY TAX STRUCTURE		
(1)	Land Assessed at 100 % of fair value		
(2)	Improvements assessed at 60% of 1947 value,		

Mill Rate 1972 -- 73 mills.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
Mean winter	13
July:	
Mean Daily Maximum	76.3
Mean Daily Minimum	51.5
<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	12.2
Average annual snowfall	25.0
Average April-October	
Total Precipitation	11.6
<u>Altitude</u> is 2125 feet.	

CAMROSE

LOCATION OF PRODUCTION MATERIALS

- (1) Minerals and their by-products:
 - (a) Mon-Metallic:
Coal, petroleum, natural gas, sand,
gravel, bentonite.
- (2) Non-minerals and by-products:
 - (a) Foods:
Meat, dairy products, poultry products,
wheat, coarse grains.
 - (b) Fibres, furs, hides:
Hides, straw.
- (3) Partly processed or manufactured products:
While the Gross Value Manufacturing - 1970
is confidential, the value is estimated in the
\$20 - \$25,000,000 range.
Foods and Beverages
Wood Products
Printing, Publishing & Allied Products
Iron and Steel Products
Non-metallic Mineral Products

II POPULATION

1972 Population: 8,988
Population within a 50 mile radius, 1966 Census:
104,000

III SITES

- (1) Area and cost of land available for industrial
expansion as of 1969:
MOHLER INDUSTRIAL AREA:
125 acres remaining @ \$3,750-\$6,000 per acre.
Some highway frontage lots @ \$80-\$115 per
frontage foot.
KLUG INDUSTRIAL AREA:
\$3,500-\$5,000 per acre.

All above are prepaid.

Spur trackage available. Prices include
sewer, water, gas and power installation,
gravel roads and lanes. Zoned highway com-
mercial and industrial. City owned.

Other city and privately owned sites available.

- (2) Soil structure and topographical features:

12" - 14" black soil. 24" - 30" compact clay
sub-soil. Lime layer 30" - 40" below surface.
Drainage good.

IV INDUSTRIAL FUEL

- (1) Types of fuel available:

Natural gas, electricity, coal, propane, diesel
fuel.
- (2) Cost of fuel to industry:

Natural Gas

- (1) Rate # 1 - General Rate
Commercial and Residential
1st 20 Therms or less per mo. -- \$3.00
All additional Therms -- 4.5¢ per Therm
Minimum Charge per mo. -- \$3.00
- (2) Rate # 2 - Optional Rate
Users in excess of 11,900 Therms per year.
Fixed Charge -- \$20 per month plus
Commodity Charge -- 2.7¢ per Therm
Minimum Monthly Charge -- \$20 per month.
- (3) Rate # 3
Available on annual contract to all customers
whose annual consumption is more than 100,000
Therms and whose total consumption during the
six meter reading periods ending May, June,
July, August, September and October is not less
than 40% of their total consumption during the
year.
Fixed Charge -- \$20 per month plus 22¢ per
month per Therm of maximum 12-hour demand
Plus Commodity Charge - 1.7¢ per Therm
Minimum Monthly Charge - Fixed Charge.

Propane

Agricultural use -- 12¢ per gallon

Domestic use -- 14-15¢ per gallon

100 lb. cylinder -- \$6.00

Fuel Oil:

Stove heating oil -- 17 1/2 - 18 1/2¢ per gal.

Coal:

Lump \$6.00

Nut \$5.50

Egg \$6.00

Slack \$2.50

Stoker \$5.50

Above are price per ton f. o. b. mine.

12 months and in no case less than 1 KW.

Unless a demand meter is installed, the Company may establish the demand by test, or by an estimate of the customer's connected load.

(2) Industrial Service

On request Calgary Power Ltd. will furnish rates, terms and conditions for contracts to supply small or large, low or high load factor industrial loads, at one of various standard voltages available.

V TRANSPORTATION FACILITIES

(1) Facilities available:

Municipal Airport - Paved, lighted all weather air strip.

No scheduled air service.

Railways: CNR, CPR

Bus and truck service.

Highways and paved connections, Hwy. 13, connecting with Hwy. 21, Highway 2A and 2, and Hwy. 36

VI MARKET AREAS

Trading area includes north to Tofield, east to Saskatchewan border, west to Gwynne, south to Stettler

Population served approximately (50 mile radius excluding Edmonton): 60,000

VII DISTRIBUTION FACILITIES

Truck terminal facilities; CNR and CPR branch lines; paved highway to Edmonton and Calgary and to Saskatoon and Winnipeg.

VIII ELECTRIC POWER

(1) Source of Power:

All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.

Calgary Power Ltd.

(2) Cost:

(1) General Service

Applicable to commercial establishments and other premises which do not qualify for the residential service rate.

Demand Charge --

\$1.00 per month per KW (or fraction thereof) of demand.

Energy Charge --

The first 40 KWH per KW of demand -- 5¢ per KWH. Next 40 KWH per KW of demand, but not over 400 KWH per Month -- 3¢ per KWH. All additional energy used per month -- 1 1/4¢ per KWH

Discount -- None. (5% added after 10 days)

Minimum Charge -- \$1.50 net per month; or demand charge if greater.

"Demand" means the maximum 30 minute rate of power delivery expressed in kilowatts, during the billing period, but not less than 75% of the maximum demand occurring in the preceding

IX WATER SUPPLY

(1) Source and Quantity available;

Recharge wells: #8 and 14.

Water is supplied and distributed by Calgary Power Ltd. Water is obtained from a gravel terrace adjacent to Dried Meat Lake, south of Camrose. The terrace is artificially recharged from the Lake. It is then delivered through approximately eight miles of pipeline to the Camrose storage reservoirs with a combined capacity of 2,150,000 Imperial gallons. In addition, there is a 100,000 Imperial gallon elevated tank. Pressure in the distribution system is maintained between 60 and 70 p. s. i.

(2) Quality of water supply:

Water analysis in parts per million, as of June, 1972:

Calcium	260.0
Total solids	550.0
pH	7.4
Hardness	230.0
Sulphates	83.0
Chlorides	22.0
Alkalinity	305.0
Magnesium	20.0
Fluoride	.15
Nitrate Nitrogen	.05
Nitrite Nitrogen	.05
Iron	.15

(3) Cost of water (city service):

First 200 cu.ft. or less used per month -- \$3.25

Next 1,000 cu.ft. used per month -- 55¢ per 100 cu.ft.

Over 5,800 cu.ft. used per month -- .56¢ per 100 cu.ft.

Minimum Monthly water rate -- \$3.25

X LOCAL LAWS AND REGULATIONS

- of significance to prospective industry:

Alberta Labour Act
Provincial Business Licensing
City permit required for all construction
The National Building Code of Canada
The Alberta Electrical Protection Act
Development Control Bylaw
Regional Planning Commission
Gas Protection Act

XI CITY TAX STRUCTURE

(1) Land assessed at 65% of market value.

(2) Improvements assessed at 45% of 100% of 1963 replacement value.

- (3) Business Assessment based on equivalent rental value. Business tax rate varies from 5% to 15% according to business classification.

1971 Mill Rate - 65.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
January:	
Mean Daily Maximum	13.6
Mean Daily Minimum	- 6.6

<u>Temperature</u>	<u>Degrees F</u>
July:	
Mean Daily Maximum	75.4
Mean Daily Minimum	49.8
<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	11.52
Average annual snowfall	38.0
Average annual total precipitation	15.32
<u>Altitude</u> is 2430 feet.	

DRUMHELLER

I LOCATION OF PRODUCTION MATERIALS

- (1) Minerals and their by-products:
- (a) Non-metallic:
Coal, petroleum, natural gas, sand, gravel, clay, shale, bentonite.
- (2) Non-minerals and by-products:
- (a) Foods:
Meat, dairy products, poultry products, wheat, coarse grains, vegetables.
- (b) Fibres, furs, hides;
Hides, wool, straw.
- (3) Partly processed or manufactured products:
- Gross Value Manufacturing - 1970:
\$331,000.
Foods and Beverages
Wood Products
Iron and Steel Products

- (2) Cost of fuel to industry:

Natural Gas:
Rate -- 15¢ per Mcf for large industrial users.

Coal:
75¢ per ton for large industrial users.

V TRANSPORTATION FACILITIES

- (1) Facilities available:
- Municipal Airport -
No scheduled air service as yet, but under study.
- Railways: CNR, CPR
- Bus and truck service.
- Highways - paved connections.

VI MARKET AREAS

Trading area includes north to Stettler, east to Saskatchewan; west to Beiseker.
Population served approximately (50 mile radius):
38,000

II POPULATION

1971 Population: 5,446
Population within a 50 mile radius, 1966 Census:
38,000

VII DISTRIBUTION FACILITIES

Truck terminal facilities; CNR and CPR branch lines;
paved highway to Calgary.

III SITES:

- (1) Area and cost of land available for industrial expansion as of 1972:
- Privately owned industrial sub-division presently being developed. Approximately 160 acres of sites will be available in 1972. C.N.R. has approximately 40 acres immediately available on trackage.
- (2) Soil structure and topographical features:
- Sedimentary soil. Lime layer 24" below surface.

VIII ELECTRIC POWER

- (1) Source of Power:
- All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.
- Canadian Utilities Ltd. steam generation plant.
- (2) Cost:
- Monthly Energy Charge:
- | | |
|------------------------|--------|
| (1) 1 to 5 KW, 1 Phase | |
| First 200 KWH | 1.5¢ |
| Next 800 KWH | 2.5¢ |
| Next 1,000 KWH | 1.8¢ |
| Excess KWH | 1.5¢ |
| Minimum Monthly Charge | \$2.40 |

IV INDUSTRIAL FUEL:

- (1) Types of fuel available:
- Natural gas, electricity, coal, propane, diesel fuel.

(2) 5 KW and over, 1 or 3 Phase	
First 40 KWH/KW demand	4.5¢
Next 160 KWH/KW demand	2.5¢
Next 200 KWH/KW demand	1.8¢
Excess KWH	1.5¢
Minimum Monthly Charge	\$1.00/KW

Next 10,000 gallons	90¢/ 1000 gallons
Next 30,000 gallons	85¢/ 1000 gallons
Next 50,000 gallons	80¢/ 1000 gallons
Next 100,000 gallons	75¢/ 1000 gallons

Minimum monthly charge -- \$3.25

IX WATER SUPPLY

(1) Source and Quantity Available:

Water supply from wells approximately 40 feet deep, fed by filtration from Red Deer River. Main pump capacity 800 gallons per minute, standby pump capacity 1,000 gallon per minute. Water storage capacity 175,000 gallons in town, 100,000 gallons at plant, and an additional 500,000 gallon tank.

(2) Quality of water supply:

Red Deer River and wells:
Total hardness - 120 ppm water at treatment plant.

Water analysis in parts per million as at June, 1972.

Total Solids	220.0
pH	8.6
Hardness	120.0
Sulphate	45.0
Chloride	4.0
Alkalinity	95.0
Fluoride	1.0
Magnesium	13.0
Nitrite Nitrogen	.05
Nitrate Nitrogen	.05
Iron	.10
Calcium	25.0

(3) Cost of water (city service):

<u>Monthly Consumption</u>	
0 - 3500 gallons	\$3.25
3500 - 5000 gallons	96¢/ 1000 gallons
5000 - 10,000 gallons	93¢/ 1000 gallons

X LOCAL LAWS AND REGULATIONS

- of significance to prospective industry:

Alberta Labour Act
Provincial Business Licensing
City permit required for all construction

XI CITY TAX STRUCTURE

(1) Taxable assessment of buildings in 1966 represent approximately 30% of replacement cost in that year.

(2) Assessment ratio of land to market value approximately 66% in 1963.

1970 Mill Rate: 78 public and separate.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
Mean summer	57
Mean winter	18
Mean yearly	37.5
<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	9.86
Average annual snowfall	45.0
Average annual total precipitation	14.36

Altitude is 2247 feet.

GRANDE PRAIRIE

I LOCATION OF PRODUCTION MATERIALS

(1) Minerals and their by-products:

- (a) Metallic:
Iron Ore (Clear Hills, 100 miles north).
- (b) Non-metallic:
Coal, petroleum, natural gas, limestone, sand, gravel

(2) Non-minerals and by-products:

- (a) Foods:
Meat, dairy products, poultry products, coarse grains, wheat and honey
- (b) Forest products:
Logs, ties, lumber products, plywood
- (c) Fibres, furs, hides:
Hides, wool, straw, peat moss

(3) Partly processed or manufactured products:

Gross Value Manufacturing - 1970:
\$11,600,000
Foods and Beverages
Wood Products
Printing, Publishing and Allied Products
Iron and Steel Products
Metal Fabricating
Non-metallic Mineral Products

II POPULATION

1972 January Population: 13,444
Population within a 50 mile radius, 1971 Census: 40,000

III SITES

- (1) Area and cost of land available for industrial expansion as of 1972:
- RICHMOND INDUSTRIAL PARK:
50 acres @ \$1,100-\$3,300 per acre for the land. Natural gas and electrical utilities. Trackage, zoned commercial and light industry. Highway commercial area. City owned.
- NORTHEAST INDUSTRIAL DISTRICT:
300 acres @ negotiated price depending on size and location. Utilities, trackage, zoned light and heavy industrial. City owned.
- PRIVATE SITES:
NAR sites.
Highway commercial areas.
Sites now available along ARR

- (2) Soil structure and topographical features:
- 6" - 12" black soil. Fertile farm area.

IV INDUSTRIAL FUEL

- (1) Types of fuel available:
- Natural gas, electricity, coal, propane, diesel fuel.
- (2) Cost of fuel to industry:
- Natural Gas:
(1) Residential and Light Commercial -
First 2 Mcf -- \$3.00 per month
Balance @ 55 1/2¢ per Mcf.
- (2) Industrial rates for large consumers can be secured from Northland Utilities Ltd.

V TRANSPORTATION FACILITIES

- (1) Facilities available:
- Commercial Airport -
Scheduled air service CPA; Wapiti Aviation
Charter flights to Rainbow Lake and other areas; helicopter rentals.
- Railways: NAR and ARR
- Bus and truck services.
Highways - paved to Edmonton, Peace River, and west and south to Vancouver.

VI MARKET AREAS

Trading area covers most of the Peace River Block.
Population served: 65,000

VII DISTRIBUTION FACILITIES

Adequate storage and warehouse space. Truck terminal facilities.

VIII ELECTRIC POWER

- (1) Source of Power:
- All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.

Alberta Power serves the City and district.
Gas turbines and back-up power units produce the electric power.

(2) Cost:

<u>Residential Rate -</u>	
First 40 KWH	@ 6.0¢
Next 260 KWH	@ 2.0¢
Over 3000 KWH	@ 1.25¢
Minimum charge per month:	\$2.40

<u>General Service Rates -</u>	
1 to 5 KW connected single phase:	
First 200 KWH	@ 4.5¢
Next 800 KWH	@ 2.5¢
Over 1000 KWH	@ 1.25
Minimum charge per month:	\$2.40
Over 5 KW connected single or three phase:	
First 40 KWH per KW connected	@ 4.5¢
Next 160 KWH per KW connected	@ 2.5¢
Over 200 KWH per KW connected	@ 1.25¢
Minimum Charge:	\$1.00 per KW connected.

Special rates - upon application, lower rates than above are available to large consumer industrial accounts.

IX WATER SUPPLY

- (1) Source and Quantity Available:

The city of Grande Prairie has one source of water at the present time. The system draws water from the Wapiti River seven miles south. Large settling basins at the Wapiti will provide adequate water during periods of high turbidity in the river.

- (2) Quality of water supply:

Wapiti River water:	
The water is fluoridated and distributed throughout the City by the use of twin towers situated on the high ground northeast of the City. Water analysis in parts per million as at June, 1972:	
pH	7.5
Total Solids	380.0
Ignition Loss	88.0
Hardness	320.0
Sulphates (So ₄)	35.0
Chlorides	7.0
Alkalinity	185.0
Magnesium	40.0
Calcium	65.0
Nitrite Nitrogen	.05
Nitrate Nitrogen (N)	.05
Iron	0.1
Fluoride	1.0

- (3) Cost of water (city service):

Minimum 6,000 gallons	\$7.20 for two months
First 80,000 gal.	12¢ per 100 gals.
Next 20,000 gal.	11¢ per 100 gals.
Next 20,000 gal.	10¢ per 100 gals.
180,000 - 1,000,000 gal.	6¢ per 100 gals.
1,000,000-2,000,000 gal.	5¢ per 100 gals.
Over 2,000,000 gal	4¢ per 100 gals.

X LOCAL LAWS AND REGULATIONS

- of significance to prospective industry:

Alberta Labour Act
Provincial Business License
City permit required for all construction
Interim Development Bylaw
Municipal Planning Committee

XI CITY TAX STRUCTURE

- (1) Assessment is uniform to all of Alberta as it complies with the Alberta Assessment Manual.
- (2) Business Assessment based on equivalent rental value.
Business Tax varies from 3% to 7% according to business classification.

1968 Mill Rate: 71

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
January - Mean Daily Maximum	12.1
Mean Daily Minimum	- 5.9

TemperatureDegrees F

July:

Mean Daily Maximum	71.8
Mean Daily Minimum	48.8

PrecipitationInches

Average annual rainfall	10.46
Average annual snowfall	69.14
Average annual total precipitation	17.34

Altitude is 2200 feet.

Chinook Area.

WETASKIWIN

I LOCATION OF PRODUCTION MATERIALS

- (1) Minerals and their by-products:
- (a) Non-metallic
Coal, petroleum, natural gas, sand, gravel.
- (2) Non-minerals and by-products
- (a) Foods:
Meats, dairy products, poultry products, coarse grains, wheat
- (b) Forest products:
Finished lumber, poles
- (c) Fibres, furs, hides:
Hides, mink fur, bristles, straw
- (3) Partly processed or manufactured products:
- Gross Value Manufacturing - 1970:
\$9,800,000
Foods and Beverages
Printing, Publishing & Allied Products
Iron and Steel Products
Farm Machinery
Transportation Equipment

- (2) Soil structure and topographical features:

12" - 14" black to very dark brown surface horizon. Sub-soil usually dark brown. Lime layer 24" - 40" below the surface.

IV INDUSTRIAL FUEL:

- (1) Types of fuel available:

Natural gas, electricity, coal, propane, diesel fuel.

- (2) Cost of fuel to industry:

Natural Gas:

(1) Rate #1 - General Rate
Commercial and Residential

1st 20 Therms or less per month -- \$3.00
All additional Therms -- 4.5¢ per Therm
Minimum Charge per month -- \$3.00

(2) Rate #2 - Optional Rate
Users in excess of 11,900 Therms per year.
Fixed Charge -- \$20 per month plus
Commodity Charge -- 2.7¢ per Therm
Minimum Monthly Charge -- \$20 per month

(3) Rate #3
Available on annual contract to all customers whose annual consumption is more than 100,000 Therms and whose total consumption during the six meter reading periods ending May, June, July, August, September and October, is not less than 40% of their total consumption during the year.
Fixed Charge -- \$20 per month plus 22¢ per month per Therm of maximum 12 hour demand plus Commodity Charge -- 1.7¢ per Therm
Minimum Monthly Charge - Fixed Charge.

II POPULATION

1971 Population: 6,267.
Population within a 50 mile radius, 1966 Census:
100,000 (excluding Edmonton)

III SITES

- (1) Area and cost of land available for industrial expansion as of 1972:
- CITY OF WETASKIWIN INDUSTRIAL PARK:
150 acres remaining @ \$2,000 per acre.
All utilities available. Paved. Zoned industrial.
Privately owned industrial sites available.
All utilities available.

V TRANSPORTATION FACILITIES

- (1) Facilities Available:

Two private airfields -
No scheduled air service.

Railway: CPR

Bus and truck service.

Highways - paved connections.

VI MARKET AREAS

Trading area includes north 15 miles, west 90 miles, south 15 miles, east 15 miles.

Population served approximately: 24,000

VII DISTRIBUTION FACILITIES

Adequate storage and warehouse space. Truck terminal facilities.

VIII ELECTRIC POWER

(1) Source of Power:

All electric power supplied is 3 phase, 60 cycle a/c. All plants interconnected to accommodate increased load demands and improve reliability of supply.

Supplied by Calgary Power Ltd.

(2) Cost:

(1) Commercial Rates:

Demand charge per KV or -- \$1.00

Energy Charge -

First 40 KWH per KW of demand -- 5.0¢

Next 40 KWH per KW of demand -- 3.0¢

Over 400 KWH per month -- 1 1/4¢ per KWH

"Demand" is the maximum 30 minute rate of power delivery, expressed in kilowatts, during the previous 12 months; and not less than 1 KW. Alternatively the demand may, at the Company's option, be measured and billed in kilowatts, or may be estimated by testing or from the consumer's connected load.

Minimum demand 1/2KW in Wetaskiwin

Minimum Charge -- \$1.50

(2) Power Rates:

Demand Charge -- \$1.00 per KVA

Energy Charge -

First 100 KWH used per month per KVA of installation -- 3 1/3¢

All over 100 KWH used per month per KV of installation - 1 1/2¢

Rate shown is net.

Minimum Charge - \$3.00 net or demand charge, if greater.

"KVA of Installation" one motor HP is taken as one KVA. The company may, at its option estimate the demand or may install a thermal demand meter. When a demand meter is installed, the billing demand is the maximum 30 minute KVA demand in the preceding 12 months.

IX WATER SUPPLY

(1) Source and Quantity Available:

A water treatment plant at Coal Lake, north-east of the City limits produces 350 i.g.m. and can be increased to 720 i.g.m. Storage facilities have a combined total of 1,700,000 gallons. Wells and Coal Lake.

(2) Quality of water supply:

Water analysis in parts per million as at June, 1972.

Total Solids	650.0
Calcium	25.0
Hardness	100.0
Sulphates	140.0
Chlorides	26.0
Alkalinity	350.0
Magnesium	9.0
Fluoride	0.4
Nitrate Nitrogen (N)	.01
Nitrite Nitrogen	.01
Iron	.10
pH	7.2

(3) Cost of water (city service):

Monthly Consumption

First 200 cu. ft.	\$3.25
Next 600 cu. ft.	65¢/100 cu. ft.
Next 1200 cu. ft.	60¢/100 cu. ft.
Next 3000 cu. ft.	50¢/100 cu. ft.
Over 5000 cu. ft.	45¢/100 cu. ft.

X LOCAL LAWS AND REGULATIONS

- of significance to prospective industry:

Alberta Labour Act
Provincial Business Licensing
City Business License
City permit required for all construction
Gas Protection Act
Electrical Protection Act
Zoning Bylaw
Building Code
District Planning Commission

XI CITY TAX STRUCTURE

- (1) Land is assessed at 65% of 1966 market values.
- (2) Improvements are assessed at approximately 60% of 75% of depreciated 1957 value.
- (3) Machinery in manufacturing or processing is assessed at 30% of depreciated values.

1970 Mill Rate: 69.0.

XII CLIMATE

<u>Temperature</u>	<u>Degrees F</u>
January:	
Mean Daily Maximum	16.8
Mean Daily Minimum	- 2.5
July:	
Mean Daily Maximum	75.3
Mean Daily Minimum	49.5
<u>Precipitation</u>	<u>Inches</u>
Average annual rainfall	12.92
Average annual snowfall	53.5
Average annual total precipitation	18.27
<u>Altitude</u> is 2493 feet.	

